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### [PDF]Web Page Categorization and Feature Selection Using Association ...

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... features are then employed to **classify** and categorize ... use an object measure to **identify** important groups ... as document content to create **cluster** hierarchies of ...

www-users.cs.umn.edu/~karypis/publications/ Papers/PDF/web-wits.pdf - [Similar pages](#)

### [PPT]Data Mining For Bioinformatics: Tools and Applications

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... **Classify/identify** real data items by finding which representative they ... at functional classification of genes in the same **cluster**. ... **Identify** problem to work on. ...

www.msccs.mu.edu/~cstruble/class/msccs231/spring2002/notes/

Data%20Mining%20For%20Bioinformatics%20Apps.ppt - [Similar pages](#)

### IntelligentKM Feature

... based on content, and **classify** all textual ... products automatically index and **cluster** like concepts ... This technology helps corporations **identify** patterns and ...

Description: Surveys the rapidly changing automatic classification software market and examine the features and...

Category: [Reference](#) > [Knowledge Management](#) > ... > [Classification](#)

www.intelligentkm.com/feature/010101/feat1.shtml - 53k - Oct 15, 2003 - [Cached](#) - [Similar pages](#)

### A Pilot Study of Focasting

... Apart from helping to **classify** and match the supply ... To **identify** variation across the **cluster** groups, Chi ... variations in **user** attitudes, three **cluster** groups were ...

www.uic.edu/~jimho/focastudy.html - 45k - [Cached](#) - [Similar pages](#)

### [PDF]IT Career Cluster (ITCC) Knowledge and Skills Information Support ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Designer, Application Integrator Career **Cluster**: Information Technology ... and standards)\*

ISSP 13.2.3 **Classify** quality costs (eg ... ISSP 13.2.6 **Identify** safety terms ...

www2.edc.org/ewit/materials/ITCCISSP-KS.pdf - [Similar pages](#)

### Sample Chapter from Microsoft® Application Center 2000 Resource ...

... Generate site usage reports and **classify** site usage ... that received updated catalogs and to **identify** the second ... results are returned from any **cluster** member that ...

www.microsoft.com/mspress/books/sampchap/4363b.asp - 51k - [Cached](#) - [Similar pages](#)

### Info. on Homework/Projects

... Use CBR to **classify** edges using the techniques of the ... uses a subset of points for each **cluster** that has ... any other information that would help **identify** a hacker ...

ultima.cs.unr.edu/cs773c/projects.htm - 8k - [Cached](#) - [Similar pages](#)

### [PDF]Automatic learning of user profiles — towards the ...

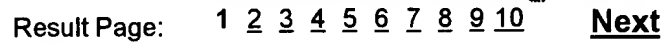
File Format: PDF/Adobe Acrobat - [View as HTML](#)

... explanation of being unable to **identify** suitable discriminatory ... or conceptual level in order to **classify** clusters more ... of documents, age of the **cluster**, and so ...

more.btexact.com/projects/agents/publish/ papers/bttj98-profiling.pdf - [Similar pages](#)

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## 2 Image Database Query System

... to build a region map which will **identify** the region ... as query keys and to review and **classify** the results ... and are given membership of the **cluster** which returns ...

[www.bmva.ac.uk/bmvc/1997/papers/073/node2.html](http://www.bmva.ac.uk/bmvc/1997/papers/073/node2.html) - 12k - [Cached](#) - [Similar pages](#)

### 1 Introduction

... of segmentations is achieved by having the **user identify** rough regions ... MLP) **network** was used to **classify** a closed ... at the centre of a given class-**cluster** and that ...

[www.bmva.ac.uk/bmvc/1997/papers/073/node1.html](http://www.bmva.ac.uk/bmvc/1997/papers/073/node1.html) - 12k - [Cached](#) - [Similar pages](#)

## [Ps]SEARCHING LARGE IMAGE DATABASES USING RADIAL-BASIS FUNCTION ...

File Format: Adobe PostScript - [View as Text](#)

... Multi-Layer Perceptron (MLP) **network** was used to **classify** a closed ... node is placed at the centroid of each **cluster** and trained to **identify** classes (which ...

[www.cs.bris.ac.uk/Tools/Reports/Ps/1997-wood.ps.gz](http://www.cs.bris.ac.uk/Tools/Reports/Ps/1997-wood.ps.gz) - [Similar pages](#)

### [Ps]Employing Region Features for Searching

File Format: Adobe PostScript - [View as Text](#)

... is placed at the centroid of each **cluster** and trained ... to build a region map which will **identify** the region ... as query keys and to review and **classify** the results ...

[www.cs.bris.ac.uk/Tools/Reports/Ps/1997-wood-0.ps.gz](http://www.cs.bris.ac.uk/Tools/Reports/Ps/1997-wood-0.ps.gz) - [Similar pages](#)

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## Citations: Fuzzy clustering with a fuzzy covariance matrix - ...

... Moreover, we will apply GRLVQ to **classify** a real life ... Different **cluster** shapes are ... 2]

Figure 4 presents a possible clustering of the data used to **identify** a TS ...

[citeseer.nj.nec.com/context/431699/0](http://citeseer.nj.nec.com/context/431699/0) - 33k - [Cached](#) - [Similar pages](#)

## [PPT]An Introduction to Data Mining

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... Has been applied to: **classify** medical patients based on the disease,. ... **Identify** micro-markets and develop policies for each. ... Generate new **cluster** centers. ...

[www.cse.iitb.ac.in/dbms/Data/Talks/ datamining-intro-IEP.ppt](http://www.cse.iitb.ac.in/dbms/Data/Talks/datamining-intro-IEP.ppt) - [Similar pages](#)

## [PDF]Data Mining for Web Intelligence

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... images from different time stamps to **identify** the updates ... mining to help rank **Web** pages, **classify Web** documents, and ... if it forms an inde- pendent **cluster**, as a ...

[www-faculty.cs.uiuc.edu/~kcchang/ Papers/dmweb-ieeeecomputer02.pdf](http://www-faculty.cs.uiuc.edu/~kcchang/Papers/dmweb-ieeeecomputer02.pdf) - [Similar pages](#)

## [PDF]FireProof 2.53 Release Notes

File Format: PDF/Adobe Acrobat

... c. **Classify** All Traffic: All traffic that passes through ... Default Farm **Cluster** is an Empty **Cluster** as explained ... this table, the device can **identify** the correct ...

[www.timerwell.com.tw/product/images/ release\\_notes/FP/FP-RN-v2.53.pdf](http://www.timerwell.com.tw/product/images/release_notes/FP/FP-RN-v2.53.pdf) - [Similar pages](#)

## STATISTICA Text Miner

... but can also be used to index, **classify**, **cluster**, or otherwise ... **Web**, starting at a particular root **Web** page (URL ... k-Means) can be applied to **identify** clusters of ...  
[www.statsoftinc.com/textminer.html](http://www.statsoftinc.com/textminer.html) - 44k - [Cached](#) - [Similar pages](#)

## Web Usage Mining

... To **classify** a **user**, calculate the probability distribution of the ... then this item will be deleted from this **cluster**. ... from a **web** site to **identify** whether the ...  
[www.cs.ualberta.ca/~tszhu/resource/paper/wum/](http://www.cs.ualberta.ca/~tszhu/resource/paper/wum/) - 49k - [Cached](#) - [Similar pages](#)



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### Using HTML Tags to Cluster Web Pages

... style of **web** pages , I will be **identify** that these ... **Classify**, Predict, Noisy, Many Inputs, Sparse, Non-Stationary. ... A **cluster** is comprised of a number of similar input ... neuron.et.ntust.edu.tw/homework/ 89/NN/89homework%233/M8902104/ - 47k - [Cached](#) - [Similar pages](#)

### An Environment for Illustrated Briefing and Follow-Up Search Over ...

... tools will be used to **cluster** the set ... will use content planning operators to **identify** similarities and ... constraints in order to automatically **classify** new images ... www1.cs.columbia.edu/~radev/stimulate/grant1.html - 18k - [Cached](#) - [Similar pages](#)

### [PDF]Voice Health Monitor Overview

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... identifying problems and their symptoms: – **Identify** the problems ... DFM VHM and DFM **classify** devices differently. ... any CallManager in a **cluster** (including Voice ... www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/ cw2000/vhm/vhm1\_0/uguide/ug\_ch1.pdf - [Similar pages](#)

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... VHM and DFM VHM and DFM **classify** devices differently ... of IP phones • The ability to **identify** the voice ... gateway port registered to a Cisco CallManager **Cluster**. ... www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/ cw2000/vhm/vhm1\_1/uguide/ug\_ch1.pdf - [Similar pages](#)

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### Web Usage Mining

... Tp **classify** a **user**, calculate the probability ... algorithms are used to **identify** the interestingness of ... Adaptive **Web** Sites: Conceptual **Cluster** Mining, Proceedings ... www.cs.ualberta.ca/~wum/pages/papers1.htm - 61k - [Cached](#) - [Similar pages](#)  
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### [PDF]Characterization of Internet Traffic and User Classification: ...

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... Cadez **cluster** users based on Website navigation patterns identified from ... in a data mining tool to **identify** specific **user** ... we will be able to **classify** users as ... irg.cs.ohiou.edu/papers/trafgen2002.pdf - [Similar pages](#)

### Finding Salient Features for Personal Web Page Categories

... The first most obvious step in attempting to **classify** patterns in such ... which makes it much more difficult to **identify** similar rows ... **Cluster 5**, **Cluster 6**, **Cluster 7**. ... decweb.ethz.ch/WWW6/Technical/Paper118/Paper118.html - 48k - [Cached](#) - [Similar pages](#)

### [doc]Eagle Features

File Format: Microsoft Word 2000 - [View as HTML](#)

... ITSC\_Maximin **Cluster** data using Maximin algorithm. ... Texture features are used to **classify** and segment ... Optimization methods are used to **identify** good solutions to ... datamining.itsc.uah.edu/adam/docs/ADaM\_4\_Overview.doc - [Similar pages](#)

## Evaluation Plan for the Meteorology Pilot

... a student might be required to **classify** would include ... 2. Categorisation and abstraction exercise **Identify** clusters in ... with their semantics (eg **cluster** in terms ...

[www.cogsci.ed.ac.uk/~paulus/Work/Metreports/evalplan.html](http://www.cogsci.ed.ac.uk/~paulus/Work/Metreports/evalplan.html) - 20k - [Cached](#) - [Similar pages](#)

## (PDF) A Visual Exploration Process for the Analysis of Internet Routing ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... intervals between the announcements in the **cluster** in Figure ... **identify** new types, and further **classify** known types ... user was able to quickly **identify** faster paths ...

[www.cs.ucdavis.edu/~ma/papers/vis2003app2.pdf](http://www.cs.ucdavis.edu/~ma/papers/vis2003app2.pdf) - [Similar pages](#)



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Power System Management and Control, 2002. Fifth International Conference on Publ. No. 488) , 17-19 April 2002

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High Voltage Engineering, 1999. Eleventh International Symposium on (Conf. Pu 467) , Volume: 5 ; 23-27 Aug. 1999

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Intelligent Decision Support Systems and Medicine, IEE Colloquium on , 15 Jun Page(s): 5/1 -5/9

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#### **4 Segmentation and classification of various types of cells in cytological images**

*Elmoataz, A.; Revenu, M.; Porquet, C.;*

Image Processing and its Applications, 1992., International Conference on , 7-9 1992

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#### **5 Toward understanding soft faults in high performance cluster network**

*Evans, J.R.J.; Seongbok Baik; Hood, C.S.; Gropp, W.;*

Integrated Network Management, 2003. IFIP/IEEE Eighth International Symposium 24-28 March 2003

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#### **6 Defect clustering and classification for semiconductor devices**

*Kundu, B.; White, K.P., Jr.; Mastrangelo, C.;*

Circuits and Systems, 2002. MWSCAS-2002. The 2002 45th Midwest Symposium Volume: 2 , 4-7 Aug. 2002

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#### **7 An automated multispectral pixel and image classification system using texture analysis and neural networks**

*Zheng, Y.; Foley, D.A.; Kinter, T.M.; Greenleaf, J.F.;*

Ultrasonics Symposium, 1992. Proceedings., IEEE 1992 , 20-23 Oct. 1992

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#### **8 Multiscale image texture analysis in wavelet spaces**

*Gross, M.H.; Koch, R.; Lippert, L.; Dreger, A.;*

Image Processing, 1994. Proceedings. ICIP-94., IEEE International Conference . Volume: 3 , 13-16 Nov. 1994

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#### **9 Identification of voiceband data signal constellations using a divisive clustering algorithm**



*Schreyogg, C.;*

Digital Signal Processing Workshop Proceedings, 1996., IEEE , 1-4 Sept. 1996

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**10 A neural network based classifier for the identification of simple finger motion**

*Heinz, M.; Knapp, R.B.;*

Neural Networks, 1996., IEEE International Conference on , Volume: 3 , 3-6 Jun

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**11 Kohonen clustering networks for use in Arabic word recognition system**

*El Maiek, J.; Tourki, R.;*

Microelectronics, 1998. ICM '98. Proceedings of the Tenth International Conference on , 14-16 Dec. 1998

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**12 Moving cluster classification technique with lidar traffic monitoring application**

*Cheok, K.C.; Nishizawa, S.; Young, W.J.;*

American Control Conference, 1998. Proceedings of the 1998 , Volume: 2 , 24-26 Jun 1998

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*Barbaro, V.; Bartolini, P.; Calcagnini, G.; Martelli, F.; Morelli, S.;*

Engineering in Medicine and Biology Society, 1998. Proceedings of the 20th Annual International Conference of the IEEE , 29 Oct.-1 Nov. 1998

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**14 Image segmentation via multiple active contour models and fuzzy clustering with biomedical applications**

*Schupp, S.; Elmoataz, A.; Fadili, J.; Herlin, P.; Bloyet, D.;*

Pattern Recognition, 2000. Proceedings. 15th International Conference on , Volu  
3-7 Sept. 2000  
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**15 Spatiotemporal segmentation of moving video objects over MPEG  
compressed domain**

*How-Lung Eng; Kai-Kuang Ma;*

Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference on  
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Geoscience and Remote Sensing Symposium, 2001. IGARSS '01. IEEE 2001 International, Volume: 1, 9-13 July 2001

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*Kant, K.; Iyer, R.; Tewari, V.;*

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**21 Analysis of IRS imagery for detecting man-made objects with a multi recognition system**

*Mandal, D.P.; Murthy, C.A.; Pal, S.K.;*

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*Geva, A.B.; Kerem, D.H.;*

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*Govindaraju, V.; Ianakiev, K.;*

Fuzzy Systems, IEEE Transactions on , Volume: 8 Issue: 6 , Dec. 2000

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**24 Classification of bacteria responsible for ENT and eye infections using Cyranose system**

*Boilot, P.; Hines, E.L.; Gardner, J.W.; Pitt, R.; John, S.; Mitchell, J.; Morgan, D.W*

Sensors Journal, IEEE , Volume: 2 Issue: 3 , June 2002

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**25 SnO/sub 2/ gas sensing array for combustible and explosive gas leak recognition**

*Dae-Sik Lee; Duk-Dong Lee; Sang-Woo Ban; Minho Lee; Youn Tae Kim;*

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Dielectrics and Electrical Insulation, IEEE Transactions on [see also Electrical Ins IEEE Transactions on] , Volume: 9 Issue: 4 , Aug. 2002

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Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced S

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Additional Information: full citation, abstract, referen

Understanding distributed applications is a tedious and difficult task. Visualiza often used to obtain a better understanding of the execution of the application event tracer developed at the University of Waterloo. However, these diagram provide the user with the desired overview of the application. In our experien of non-trivial commun ...

## 2 The state of the art in locally distributed Web-server systems

Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

June 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 2

Full text available: pdf(1.41 MB)

Additional Information: full citation, abstract, referen

The overall increase in traffic on the World Wide Web is augmenting user-per sites, especially in conjunction with special events. System platforms that do provide the needed scalability to handle large traffic volumes and to match ra clients. The need to improve the performance of Web-based services has prod architectures. This article w ...

Keywords: Client/server, World Wide Web, cluster-based architectures, dispat balancing, routing mechanisms

**3 Measurement: Automatically inferring patterns of resource consumption in**

Cristian Estan, Stefan Savage, George Varghese

August 2003 Proceedings of the 2003 conference on Applications, technologies, ar communications

Full text available:  pdf(260.43 KB)

Additional Information: full citation, abstract, refere

The Internet service model emphasizes flexibility -- any node can send any ty has allowed new applications and usage models to flourish, it also makes the more challenging. This paper describes a new method of traffic characterizatio minimal clusters of conspicuous consumption. Rather than providing a static a applications, or network-to ...

Keywords: data mining, network monitoring, traffic measurement

**4 Web mining for web personalization**

Magdalini Eirinaki, Michalis Vazirgiannis

February 2003 ACM Transactions on Internet Technology (TOIT), Volume 3

Full text available:  pdf(293.73 KB)

Additional Information: full citation, abstract, reference

Web personalization is the process of customizing a Web site to the needs of knowledge acquired from the analysis of the user's navigational behavior (usa information collected in the Web context, namely, structure, content, and use of the Web, the domain of Web personalization has gained great momentum b In this article we present a survey ...

Keywords: WWW, Web personalization, Web usage mining, user profiling

**5 The use of web structure and content to identify subjectively interesting wel**

Robert Cooley

May 2003 ACM Transactions on Internet Technology (TOIT), Volume 3 Issue

Full text available:  pdf(540.06 KB)

Additional Information: full citation, abstract, refere

The discipline of Web Usage Mining has grown rapidly in the past few years, d of the late 1990s. Web Usage Mining is the application of data mining techniq extract usage patterns. Yet, with all of the resources put into the problem, cla often tied to specific Web site properties that are not found in general. One re component of Web Usage Mi ...

Keywords: Data mining, Web usage mining, World Wide Web

## 6 Building efficient and effective metasearch engines

Weiye Meng, Clement Yu, King-Lup Liu

March 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 1

Full text available:  pdf(416.07 KB)

Additional Information: full citation, abstract, reference

Frequently a user's information needs are stored in the databases of multiple inefficient for an ordinary user to invoke multiple search engines and identify results. To support unified access to multiple search engines, a metasearch engine receives a query from a user, it invokes the underlying search engines for the user. Metasearch engines have ...

Keywords: Collection fusion, distributed collection, distributed information retrieval, metasearch

## 7 An investigation of geographic mapping techniques for internet hosts

Venkata N. Padmanabhan, Lakshminarayanan Subramanian

August 2001 Proceedings of the 2001 conference on Applications, technologies, and communications

Full text available:  pdf(319.78 KB)

Additional Information: full citation, reference

## 8 Emergent web patterns: The connectivity sonar: detecting site functionality

Einat Amitay, David Carmel, Adam Darlow, Ronny Lempel, Aya Soffer

August 2003 Proceedings of the fourteenth ACM conference on Hypertext and

Full text available:  pdf(153.40 KB)

Additional Information: full citation, abstract, reference

Web sites today serve many different functions, such as corporate sites, search engines are created for different purposes, their structure and connectivity characteristics that sites of similar role exhibit similar structural patterns, as the functionality of a hyperlinked structure and typical connectivity patterns to and from the rest of the sites is reflected ...

Keywords: link analysis, web IR, web graphs



- 9 **Description and Analysis: Using web structure for classifying and describing**  
Eric J. Glover, Kostas Tsioutsoulis, Steve Lawrence, David M. Pennock, Gary W  
May 2002 Proceedings of the eleventh international conference on World Wide Web

Full text available:  pdf(136.12 KB)

Additional Information: full citation, abstract, reference

The structure of the web is increasingly being used to improve organization, search, and navigation of the web. For example, Google uses the text in citing documents (documents that analyze the relative utility of document text, and the text in citing documents description. Results show that the text in citing documents, when available, has more descriptive power than the ...

Keywords: SVM, anchor text, classification, cluster naming, entropy based features, web structure

- 10 **QProber: A system for automatic classification of hidden-Web databases**

Luis Gravano, Panagiotis G. Ipeirotis, Mehran Sahami

January 2003

ACM Transactions on Information Systems (TOIS), Volume 21

Full text available:  pdf(3.62 MB)

Additional Information: full citation, abstract, reference


The contents of many valuable Web-accessible databases are only available to users who are invisible to traditional Web "crawlers." Recently, commercial Web sites have used Web-accessible databases into Yahoo!-like hierarchical classification schemes to develop a system that automates this classification process by using a small number of classifiers. QProber can use a variety of types of ...

Keywords: Database classification, Web databases, hidden Web

- 11 **Concept features in Re:Agent, an intelligent Email agent**

Gary Boone

May 1998 Proceedings of the second international conference on Autonomous agents


Full text available:  pdf(1.07 MB)

Additional Information: full citation, references, citations, index terms

## 12 The state of the art in automating usability evaluation of user interfaces

December 2001

ACM Computing Surveys (CSUR), Volume 33 Issue 4

Full text available:  pdf(2.31 MB)

Additional Information: full citation, abstract, references, citin

Usability evaluation is an increasingly important part of the user interface des can be expensive in terms of time and human resources, and automation is th existing approaches. This article presents an extensive survey of usability eva new taxonomy that emphasizes the role of automation. The survey analyzes e aspects of usability evaluation aut ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automati

## 13 Personalized spiders for web search and analysis

Michael Chau, Daniel Zeng, Hinchun Chen

January 2001

Proceedings of the first ACM/IEEE-CS joint conference on Digita

Full text available:  pdf(672.04 KB)

Additional Information: full citation, abstract, reference


Searching for useful information on the World Wide Web has become incr eas engines have been helping people to search on the web, low recall rate and o more problematic as the web grows. In addition, search tools usually present failing to provide further personalized analysis which could help users identify results. To alleviate these ...

Keywords: information retrieval, internet searching and browsing, internet sp self-organizing map

## 14 Web page classification: PEBL: positive example based learning for Web p

Hwanjo Yu, Jiawei Han, Kevin Chen-Chuan Chang

July 2002 Proceedings of the eighth ACM SIGKDD international conference on Kn

Full text available:  pdf(1.01 MB)

Additional Information: full citation, abstract, referenc

Web page classification is one of the essential techniques for Web mining. Sp user-interesting class is the first step of mining interesting information from t for an interesting class requires laborious pre-processing such as collecting po instance, in order to construct a "homepage" classifier, one needs to collect a and a sample of n ...


Keywords: Mapping-Convergence (M-C) algorithm, SVM (Support Vector Mach

**15 Survey articles: Web usage mining: discovery and applications of usage pa**

Jaideep Srivastava, Robert Cooley, Mukund Deshpande, Pang-Ning Tan

January 2000

ACM SIGKDD Explorations Newsletter, Volume 1 Issue 2

Full text available:  pdf(1.44 MB)

Additional Information: full citation, abstract,

Web usage mining is the application of data mining techniques to discover us understand and better serve the needs of Web-based applications. Web usage *preprocessing*, *pattern discovery*, and *pattern analysis*. This paper describes e application potential, Web usage mining has seen a rapid increase in interest, communities. This pap ...

Keywords: data mining, web usage mining, world wide web

**16 Mobile networking in the Internet**

Charles E. Perkins

December 1998

Mobile Networks and Applications, Volume 3 Issue 4

Full text available:  pdf(166.90 KB)

Additional Information: full citation, abstract, reference

Computers capable of attaching to the Internet from many places are likely to population of the Internet. Consequently, protocol research has shifted into h protocols for supporting mobility. This introductory article attempts to outline interesting research directions. The papers in this special issue indicate the di community, and it is ...

**17 Searching the Web**

August 2001

ACM Transactions on Internet Technology (TOIT), Volume 1 Is

Full text available:  pdf(319.98 KB)

Additional Information: full citation, abstract, references, cit

We offer an overview of current Web search engine design. After introducing examine each engine component in turn. We cover crawling, local Web page s analysis for boosting search performance. The most common design and impl components are presented. For this presentation we draw from the literature engine testbed. Emphasis is on introduci ...

Keywords: HITS, PageRank, authorities, crawling, indexing, information retrie

**18 Scalable feature selection, classification and signature generation for organizational hierarchical topic taxonomies**

Soumen Chakrabarti, Byron Dom, Rakesh Agrawal, Prabhakar Raghavan

August 1998 The VLDB Journal &mdash; The International Journal on Very Large

Full text available:  pdf(281.37 KB)

Additional Information: full citation, abstract, citation

We explore how to organize large text databases hierarchically by topic to aid in the analysis of many corpora, such as internet directories, digital libraries, and patent databases. These hierarchies, also called *taxonomies*, are similar to indices for relational data, but are more efficient. However, the exponential growth in the volume of on-line textual data makes it difficult to maintain such taxonomies ...

**19 Machine learning in automated text categorization**

Fabrizio Sebastiani

March 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 1

Full text available:  pdf(524.41 KB)

Additional Information: full citation, abstract, reference

The automated categorization (or classification) of texts into predefined categories has become a popular task in the last 10 years, due to the increased availability of documents in digital form. In the research community the dominant approach to this problem is based on the inductive process automatically builds a classifier by learning, from a set of patterns, the characteristics of the categories. ...

Keywords: Machine learning, text categorization, text classification

**20 Improving the granularity of access control for Windows 2000**

Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Garg, S. Jensenworth

November 2002

ACM Transactions on Information and System Security (TISSEC)

Full text available:  pdf(447.78 KB)

Additional Information: full citation, abstract, references, citation

This article presents the mechanisms in Windows 2000 that enable fine-grained access control for both operating system components and applications. These features were introduced in Windows NT 4.0 to support the Active Directory, a new feature in Windows 2000, and the Internet. While the access control mechanisms in Windows NT are suitable for many requirements, they fall short of the ...




Keywords: Access control lists, Microsoft Windows 2000, Windows NT, active

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## 21 Silk from a sow's ear: extracting usable structures from the Web

Peter Pirolli, James Pitkow, Ramana Rao

April 1996 Proceedings of the SIGCHI conference on Human factors in computing

Full text available: pdf(1.26 MB) html(35.72 KB)

Additional Information: full citation, reference

Keywords: World Wide Web, hypertext, information visualization

## 22 Link aggregation: Untangling compound documents on the web

Nadav Eiron, Kevin S. McCurley

August 2003 Proceedings of the fourteenth ACM conference on Hypertext and

Full text available: pdf(192.59 KB)

Additional Information: full citation, abstract, refere

Most text analysis is designed to deal with the concept of a "document", nam  
unifying subject. By contrast, individual nodes on the World Wide Web tend to  
documents. We claim that the notions of "document" and "web node" are not  
to deploy documents as collections of URLs, which we call "compound docume  
techniques for identifying and workin ...

Keywords: composites, hypertext, information retrieval, semantic web, waste

## 23 Placing search in context: the concept revisited

January 2002

ACM Transactions on Information Systems (TOIS), Volume 20

Full text available:  pdf(926.20 KB)

Additional Information: full citation, abstract, references, c

Keyword-based search engines are in widespread use today as a popular mea  
Although such systems seem deceptively simple, a considerable amount of sk  
information needs. This paper presents a new conceptual paradigm for perform  
automates the search process, providing even non-professional users with hig  
implemented in practice in the Intelli ...

Keywords: Search, context, invisible web, semantic processing, statistical nat

## 24 Extracting usability information from user interface events

David M. Hilbert, David F. Redmiles

December 2000

ACM Computing Surveys (CSUR), Volume 32 Issue 4

Full text available:  pdf(1.50 MB)

Additional Information: full citation, abstract, references, citin

Modern window-based user interface systems generate user interface events  
operation. Because such events can be automatically captured and because th  
an application's user interface, they have long been regarded as a potentially  
application usage and usability. However, because user interface events are t  
automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability te

## 25 A new privacy model for hiding group interests while accessing the Web

Yuval Elovici, Bracha Shapira, Adlai Maschiach

November 2002

Proceeding of the ACM workshop on Privacy in the Electroni

Full text available:  pdf(104.19 KB)

Additional Information: full citation, abstract, refere

This paper presents a new privacy model for hiding the information interests  
a local area network and an access point to the Web. The suggested model is  
using identifiable members' tracks to infer the group common interests (refer  
members of the group to identify themselves to various services. The model c  
various fields of interest ...

Keywords: Web-security, privacy, user-groups, user-profile

**26 Constructing, organizing, and visualizing collections of topically related Web**

Loren Terveen, Will Hill, Brian Amento

March 1999 ACM Transactions on Computer-Human Interaction (TOCHI), Volu

Full text available:  pdf(303.62 KB)

Additional Information: full citation, abstract, reference

For many purposes, the Web page is too small a unit of interaction and analysis documents consisting of many pages, and users often are interested in obtaining topically related sites. Once such a collection is obtained, users face the challenge of organizing the items. We report four innovations that address these user needs on the Web site

Keywords: cocitation analysis, collaborative filtering, computer supported coöperative work, social filtering, social network analysis

**27 Deriving traffic demands for operational IP networks: methodology and experiments**

Anja Feldmann, Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford

June 2001 IEEE/ACM Transactions on Networking (TON), Volume 9 Issue 3

Full text available:  pdf(212.92 KB)

Additional Information: full citation, abstract, reference

Engineering a large IP backbone network without an accurate network-wide view of traffic demands is a challenge. Shifts in user behavior, changes in routing policies, and failures of network elements (e.g., sudden) fluctuations in load. In this paper, we present a model of traffic demands for operational IP networks. By definition, debugging of large Internet Service Provider networks. By definition, originating from an ingress ...

Keywords: Internet, measurement, routing, traffic engineering

**28 Research contributions: The impact of culture and gender on web sites: an empirical study**

Steven John Simon

December 2001

ACM SIGMIS Database, Volume 32 Issue 1

Full text available:  pdf(1.88 MB)

Additional Information: full citation, abstract, reference

The growth of electronic commerce, in particular business-to-consumer, has been rapid. Until recently, the Web community has been a male dominated western-oriented one, reflecting that homogenous audience. Using an adapted version of Hofstede's model, this study explores the perception and satisfaction levels of one hundred and fifty users and indicates that perception and ...

Keywords: Hofstede model, e-commerce, gender differences (satisfaction & perception)



## 29 The <bigwig> project

Claus Brabrand, Anders Møller, Michael I. Schwartzbach

May 2002 ACM Transactions on Internet Technology (TOIT), Volume 2 Issue

Full text available:  pdf(586.33 KB)

Additional Information: full citation, abstract, refere

We present the results of the <bigwig> project, which aims to domain-specific language for programming interactive Web ser

A fundamental aspect of the development of the World Wide Web d change from static to dynamic generation of Web pages. Generating with the client has the advantage of providing up-to-date and tailor of systems ...

Keywords: Interactive Web services, program analysis

## 30 Placing search in context: the concept revisited

Lev Finkelstein, Evgeniy Gabrilovich, Yossi Matias, Ehud Rivlin, Zach Solan, Gad

April 2001 Proceedings of the tenth international conference on World Wide We

Full text available:  pdf(235.96 KB)


Additional Information: full citation, references, citings, ind

Keywords: context, invisible web, search, semantic processing, statistical nat

## 31 Industry track papers: Learning nonstationary models of normal network tra

Matthew V. Mahoney, Philip K. Chan

July 2002 Proceedings of the eighth ACM SIGKDD international conference on Kn

Full text available:  pdf(1.12 MB)

Additional Information: full citation, abstract,


Traditional intrusion detection systems (IDS) detect attacks by comparing cur attacks. One main drawback is the inability of detecting new attacks which do we propose a learning algorithm that constructs models of normal behavior fr that deviates from the learned normal model signals possible novel attacks. O nonstationary, modeling pr ...

### 32 Customizing information capture and access

Daniela Rus, Devika Subramanian

January 1997

ACM Transactions on Information Systems (TOIS), Volume 15

Full text available:  pdf(1.26 MB)

Additional Information: full citation, abstract, references, citin

This article presents a customizable architecture for software agents that capt heterogeneous, distributed electronic repositories. The key idea is to exploit u granularity to build high-level indices with task-specific interpretations. Inform are configured as a network of reusable modules called structure detectors an

...

Keywords: information gathering, software agents, table recognition

### 33 Mining multimedia data

Osmar R. Zaiane, Jiawei Han, Ze-Nian Li, Jean Hou

November 1998

Proceedings of the 1998 conference of the Centre for Advanced S

Full text available:  pdf(377.84 KB)

Additional Information: full citation, abstract, refere

Data Mining is a young but flourishing field. Many algorithms and applications extract different types of knowledge. Mining multimedia data is, however, at implemented a prototype for mining high-level multimedia information and kn MultiMedia Miner has been designed based on our years of experience in the r data mining system, DBMiner, in the Inte ...

Keywords: data cube, data mining, data warehousing, image analysis, inform

### 34 A survey on wavelet applications in data mining

Tao Li, Qi Li, Shenghuo Zhu, Mitsunori Ogihara

December 2002

ACM SIGKDD Explorations Newsletter, Volume 4 Issue 2

Full text available:  pdf(330.06 KB)

Additional Information: full citation, abstract,

Recently there has been significant development in the use of wavelet metho However, there has been written no comprehensive survey available on the to void. First, the paper presents a high-level data-mining framework that reduc components. Then applications of wavelets for each component are reviewd. T impact of wavelets on data mining research an ...

### 35 A highly scalable and effective method for metasearch

Weiye Meng, Zonghuan Wu, Clement Yu, Zhuogang Li

July 2001 ACM Transactions on Information Systems (TOIS), Volume 19 Issue 4

Full text available:  pdf(653.63 KB)

Additional Information: full citation, abstract, references, citations, index terms

A metasearch engine is a system that supports unified access to multiple local search engines. The main challenges in building a large-scale metasearch engine. The problem is to determine a small number of potentially useful local search engines to invoke. We propose an accurate selection, metadata that reflect the contents of each search engine. This paper proposes a highly scalable and effective method for metasearch.

Keywords: Database selection, distributed text retrieval, metasearch engine, search engines

### 36 Topic search for intelligent network news reader HISHO

Hiromi Ozaku, Kiyotaka Uchimoto, Masaki Murata, Hitoshi Isahara

March 2000 Proceedings of the 2000 ACM symposium on Applied computing

Full text available:  pdf(989.75 KB) Additional Information: full citation, references, citations, index terms

### 37 Data mining: Mining the peanut gallery: opinion extraction and semantic classification

Kushal Dave, Steve Lawrence, David M. Pennock

May 2003 Proceedings of the twelfth international conference on World Wide Web

Full text available:  pdf(327.95 KB)

Additional Information: full citation, abstract, references, citations, index terms

The web contains a wealth of product reviews, but sifting through them is a difficult task. A tool would process a set of search results for a given item, generating a list of opinions and aggregating opinions about each of them (poor, mixed, good). We begin with a simple problem and develop a method for automatically distinguishing between positive and negative opinions. This paper draws on information from the web to extract opinions.

Keywords: document classification, opinion mining, semantic classification

**38 Intelligent information dissemination services in hybrid satellite-wireless ne**

Eddie C. Shek, Son K. Dao, Yongguang Zhang, Darrel J. Van Buer, Giovanni Giu  
December 2000 Mobile Networks and Applications, Volume 5 Issue 4

Full text available:  pdf(527.68 KB)

Additional Information: full citation, abstract, references

The need for rapid deployment and user mobility suggest the use of satellite&dash;wireless network infrastructure for important situational response applications. An Intelligent Information Dissemination System has been developed to support the dissemination and maintenance of information throughout such a network information infrastructure in a seamless manner. IIDS is to transparently handle the mismatches ...

**39 How to personalize the Web**

Rob Barrett, Paul P. Maglio, Daniel C. Kelleman

March 1997 Proceedings of the SIGCHI conference on Human factors in computing

Full text available:  pdf(1.05 MB)

Additional Information: full citation, references, citations, index terms

Keywords: World Wide Web, agents, user models

**40 Analysis of navigation behaviour in web sites integrating multiple information**

Bettina Berendt, Myra Spiliopoulou

March 2000 The VLDB Journal &dash; The International Journal on Very Large

Full text available:  pdf(281.14 KB)

Additional Information: full citation, abstract

The analysis of web usage has mostly focused on sites composed of conventional information available in the web come from databases or other data collection form of dynamically generated pages. The query interfaces of such sites allow their generated results support navigation to pages of results combining cross analysis of visitor navigation ...

Keywords: Conceptual hierarchies, Data mining, Query capabilities, Web data mining

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